

# MATERIAL SAFETY DATA SHEET

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## SECTION I - PRODUCT IDENTIFICATION

### Z-GEL

#### HAZARDOUS COMPONENTS (Sec. II)

ZGG- Gloss  
ZGS- Semi Gloss

2,4  
2,4,5

## SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

CODE	HAZARDOUS COMPONENTS	CAS NUMBER	PERMISSIBLE EXPOSURE LIMIT (OSHA TWA unless otherwise noted)
2	Propylene Glycol	57-55-6	NE
4	Ammonia	7664-41-7	NE (35 ppm STEL)
5	Amorphous Silica	7631-86-9	6 mg/m <sup>3</sup>

TWA= Time Weighted Average (ave. airborne exposure in 8 hr work shift work week)

STEL= Short Term Exposure Limit (15 minute time weighted average exposure)

CEILING = exposure not to be exceeded during any part of the work day

NE = None established

mg/M<sup>3</sup> = approximate milligrams of substance per cubic meter of air

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

**BOILING POINT:** >100°C/212°F

**VAPOR DENSITY:** Heavier than air

**SOLUBILITY IN WATER:** Dilutable

**APPEARANCE AND ODOR:** Milky white - slight ammonia odor

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.0-1.2

**EVAPORATION RATE:** Slower than ether

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** N/A

**METHOD USED:** N/A

**FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER:** N/A

**UPPER:** N/A

**EXTINGUISHING MEDIA:** Carbon dioxide, water spray, foam or dry chemical

**SPECIAL FIREFIGHTING PROCEDURES:** Use self-contained breathing apparatus and full protective clothing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Material can splatter above 100°C/212°F. Dried film can burn. Decomposition and combustion products may be toxic.

## SECTION V - REACTIVITY DATA

**STABILITY:** Stable

**INCOMPATIBILITY AND CONDITIONS TO AVOID:** None known

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Thermal decomposition may yield toxic oxides of carbon, monomer fumes and oxides of nitrogen.

**HAZARDOUS POLYMERIZATION:** Will not occur

## SECTION VI - HEALTH HAZARD DATA

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** None expected under normal conditions of use. Irritation of the nose, throat and lungs is associated with excessive exposure to ammonia.

**EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Contact may be irritating to eyes.

**SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Prolonged or repeated contact may be irritating to skin.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** May cause irritation to gastrointestinal system.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Pre-existing skin, eye, or respiratory conditions may be aggravated by exposure.

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## EMERGENCY AND FIRST AID PROCEDURES:

**EYE CONTACT:** Flush with water for 15 minutes. SEE DOCTOR if any symptoms persist.  
**SKIN CONTACT:** Wash with soap and water. SEE DOCTOR if skin irritation occurs.  
**INHALATION:** Remove subject to fresh air.  
**INGESTION:** SEE DOCTOR if there are symptoms of exposure.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Avoid excessive skin contact.

**WASTE DISPOSAL METHOD:** Dispose of as per regulations for latex paint. Typically, allow to dry and dispose of through a licensed non-hazardous waste handling facility.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Avoid inhalation and skin contact.

## SECTION VIII - CONTROL MEASURES

**RESPIRATORY PROTECTION:** When spraying or sanding use a NIOSH/MSHA approved dust and mist respirator.

**VENTILATION:** General dilution ventilation as needed to minimize vapor odors

**PROTECTIVE GLOVES:** Gloves are recommended as needed to avoid skin contact.

**WORK/HYGIENIC PRACTICES:** Use in accordance with safe handling practices, including: do not eat, drink or smoke when working with materials, avoid excessive skin contact and wash after use.

## SECTION IX - ADDITIONAL PRECAUTIONS AND INFORMATION

### DISCLAIMER

The data set fourth herein is believed accurate as of the date hereof. However, no warranty is made with respect to the accuracy of this data, and all liability for reliance thereon is expressly disclaimed. Such data is offered solely for your consideration and verification.